Mouse Monoclonal Antibody Glucocorticoid Receptor conjugated to Sepharose Beads

CatalogNo: ANT8180-S

Size 200ul

Storage Store at 4 °C for frequent use

Description

This Antagene antibody is immobilized via covalent binding of primary amino groups to N-hydroxysuccinimide (NHS)-activated sepharose beads. It is useful for immunoprecipitation assays.

Glucocorticoid Receptor (ANT0006R) Rabbit mAb

Formulation: 50% slurry in PBS pH 7.2 with 0.01mg NaN3a3 preservative.

Host Species	Reactivity	Applications
• Rabbit	• Human,Mouse,Rat,	• WB,IHC,IF,IP,ELISA

MW	Isotype
• 85kD (Calculated) 94kD (Observed)	• IgG,Kappa

Recommended Dilution Ratios

IP

Basic Information

Clonality	Monoclonal
Clone Number	ANT0006R

Immunogen Information

Specificity Endogenous

Gene name Nr3c1 Grl Grl1

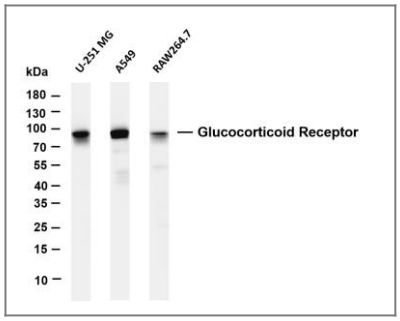
Protein Name Glucocorticoid receptor (GR) (Nuclear receptor subfamily 3 group C member 1)

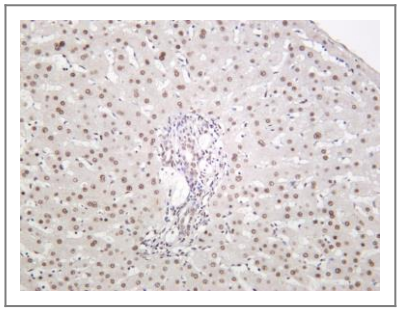
Organism	Gene ID	UniProt ID
Human	2908;	P04150;

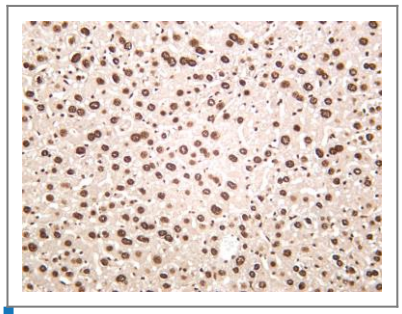
Cellular Localization Nucleus

Tissue specificity Expressed in spleen, kidney and liver (PubMed:20660300). Expressed in a circadian manner in the liver (PubMed:27686098). {ECO:0000269|PubMed:20660300, ECO:0000269|PubMed:27686098}.; TISSUE SPECIFICITY: [Isoform 3]: Expressed at highest level in spleen with lesser amounts in kidney and liver. {ECO:0000269|PubMed:20660300}.

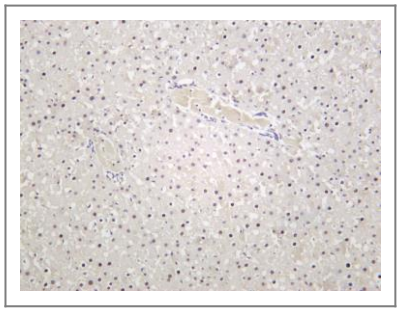
Function Receptor for glucocorticoids (GC). Has a dual mode of action: as a transcription factor that binds to glucocorticoid response elements (GRE), both for nuclear and mitochondrial DNA, and as a modulator of other transcription factors. Affects inflammatory responses, cellular proliferation and differentiation in target tissues. Involved in chromatin remodeling (PubMed:10678832). Plays a role in rapid mRNA degradation by binding to the 5' UTR of target mRNAs and interacting with PNRC2 in a ligand-dependent manner which recruits the RNA helicase UPF1 and the mRNA-decapping enzyme DCP1A, leading to RNA decay (By similarity). Could act as a coactivator for STAT5-dependent transcription upon growth hormone (GH) stimulation and could reveal an essential role of hepatic GR in the control of body growth (PubMed:15037546). .; Function: [Isoform 1]: Has transcriptional activation and repression activity (By similarity). Mediates glucocorticoid-induced apoptosis (By similarity). Promotes accurate chromosome segregation during mitosis (PubMed:25847991). May act as a tumor suppressor (PubMed:25847991). May play a negative role in adipogenesis through the regulation of lipolytic and antilipogenic gene expression (PubMed:21994940). .; Function: [Isoform 3]: Acts as a dominant negative inhibitor of isoform 1 (PubMed:20660300). Has intrinsic transcriptional activity independent of isoform Alpha when both isoforms are coexpressed (By similarity). Loses this transcription modulator function on its own (By similarity). Has no hormone-binding activity (PubMed:20660300). May play a role in controlling glucose metabolism by maintaining insulin sensitivity (PubMed:20660300). Reduces hepatic gluconeogenesis through down-regulation of PEPCK in an isoform Alpha-dependent manner (By similarity). Directly regulates STAT1 expression in isoform Alpha-independent manner (By similarity).







Validation Data



Rat liver was stained with anti-Glucocorticoid Receptor (PT0306R) rabbit antibody

Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-Glucocorticoid Receptor (ANT0006R) antibody. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody.
Lane 1: U-251 MG Lane 2: A549 Lane 3: RAW264.7
Predicted band size: 85kDa Observed band size: 94kDa

Human liver was stained with anti-Glucocorticoid Receptor (ANT0006R) rabbit antibody

Mouse liver was stained with anti-Glucocorticoid Receptor (ANT0006R) rabbit antibody

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